

## V. AVIATION MAINTENANCE

### 3. Quality Control (Fixed Wing)

#### a. Army Oil Analysis Program (AOAP)

- (1) Is the AOAP monitor adequately trained by the supporting Lab? (*TB 43-0211 Para 2-2g*) **P / F / NA**
- (2) Is the DA Form 2408-20 (Oil Analysis Log) complete and accurate? (*DA Pam 738-751 Para 4-14*) **P / F / NA**
- (3) Is DA Form 2408-20 is used for separate AOAP components? (*DA Pam 738-751 Para 4-14*) **P / F / NA**
- (4) Is DD Form 2026 submitted with each oil sample? Are hours since overhaul and hours since oil change included on the DD Form 2026? (*DA PAM 738-751, Preparation Instructions for completing a DA Form 2408-20, Oil Analysis Log in hours (TB 43-0211 Section VIII Para 8-2).*) **P / F / NA**
- (5) Is the disposition of DD Form 2026, ULLS DA Form 5991-E IAW TB 43-0211 Section XII, 12-12? **P / F / NA**
- (6) Are samples dispatched to the laboratory by the most expeditious means on the same day the sample was obtained? (*TB 43-0211 Section II Para 2-3C*) **P / F / NA**
- (7) Are all aircraft engines enrolled in the AOAP program? (*C-12 SOW, Para 3.2.4.2.3 and TB 43-0111*) **P / F / NA**

#### b. Historical Records

- (1) Are Procedures established for monitoring aircraft Time Between Overhaul (TBO) components? Is the TBO information (manual or automated) complete and accurate? (*FM 3-04.500 Para 8-10*) (*C-12, UC-35 SOW Para 3.2.2.4.1*) **P / F / NA**
- (2) DA Form 2408-5 (Equipment Modification Record), DA Form 2408-5-1 (Equipment Modification Record (Component)) complete and accurate? (*DA Pam 738-751 Para 1-15e (1)(a), Para 1-6 (16)*) **P / F / NA**
- (3) Is DA Form 2408-15 (Historical Record for Aircraft) complete and accurate? (*DA Pam 738-751 Para 1-15e. (1)(c)*) **P / F / NA**
- (4) Is DA Form 2408-16 / 16-1 (Aircraft Component Historical Record, History Recorder, Component, Module Record) complete and accurate? (*DA Pam 738-751 Para 1-15e (1) (e) (Para 1-6 (16), items as required in TB 1-1500-341-01)*) **P / F / NA**
- (5) DA Form 2408-17 (Aircraft Inventory Record) complete and accurate? (*DA Pam 738-751 Para 1-15e. (1)(g)*) **P / F / NA**
- (6) Is automated Engine Trend Monitoring (ECTM) in effect and being complied with? (*C-12 SOW Para 3.2.4.2.1*) **P / F / NA**

**c. Weight and Balance Records**

(1) Are weight and balance records current and accurate for each aircraft by serial number? (*DD Forms 365-series, AR 95-1, Para 7-2 c (1) / Para 7-4(2) a, DA Pam 738-751 Para 1-6a (16)*). **P / F / NA**

(2) Does the weight and balance technician meet the requirements of AR 95-1? (*AR 95-1, Para 7-2*) **P / F / NA**

(3) Has the aircraft been weighed in the last 24 months, or as required? (*C-12 SOW, Para 3.2.4.5 and AR 95-1, Para 7a (4)*) **P / F / NA**

(4) Are 90 day updates completed? (*C-12 SOW Para 3.2.4.5 and TM 55-1500-342-23*) **P / F / NA**

**d. 30 Day / Six Month Files**

(1) Is the disposition of six month files IAW DA Pam 738-751 Para 1-6a (1)? **P / F / NA**

(2) Are six-month files kept IAW DA Pam 738-751, Para 2-10d? (*C-12 LCCS SOW*) **P / F / NA**

(3) Is aircraft status and unit level maintenance documented accurately using DA Form 2408-13, 2408-13 -1/-2/-3 (to include phase checklist)? (*DA PAM 738-751 Para 1-6a / 1-7a and 1-8a*) **P / F / NA**

(4) Are there any write-ups in excess of 45 days carried over on the DA Form 2408-13 series or DA Form 2408-14-1 forms? (*C-12/UC-35 Contact Section H*) **P / F / NA**

(5) Are all airworthiness releases for modifications, statement of airworthiness qualification, and airworthiness approval located in the aircraft during its operation? Are AWR entries properly annotated on DA Form 2408-13-1 and historical records as required by the AWR special instructions? (*AR 70-62 Para 1-4e (2) and 2-1*). **P / F / NA**

(6) Are all Safety of Flight items written up on DA FORM 2408-13-1/2/3 and technical inspection completed for each item/component which are removed? (*DA PAM 738-751 Para 1-28a(1) and 2-10b(3). (DA PAM 738-751 Para 1-9a, Para 1-28a (1))*) **P / F / NA**

(7) Are items involved in controlled exchange or cannibalization actions documented? (*FM 3-04.500 Para 6-53, TM 1-1500-328-23 Para 10-4d*). **P / F / NA**

(8) Are maintenance test flights / functional flight checks and maintenance operational checks documented and signed off as required? (*DA Pam 738-751 Para 2-10 c. (7), TM 1-1500-328-23, Para 3-4, Para 3-6*) **P / F / NA**

(9) Are test flight check sheets signed and attached to the DA Form 2408-13-1 or civilian equivalent? (*DA Pam 738-751, Para 2-10c (7) (b), C-12/RC-12 Para 3.2.4.1 and Para 3.3.2.1*) **P / F / NA**

(10) Is DA Form 2408-14-1 (Uncorrected Fault Record) approved by appropriate authority, complete and accurate? (*DA PAM 738-751 Para 2-12) Form 2408-18 (Equipment Inspection List)*) **P / F / NA**

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(11) Are all required inspections accurately entered on the DA Form 2408-18 and accomplished when due? (*PAM 738-751 Para 2-13*) **P / F / NA**

(12) Is an Aviation Corrosion Prevention and Control (CPC) Program established in unit SOP and followed? (*AR 385-95 Para 3-3, TM 1-1500-328-23 Para 8-1/2/3*) (*C-12 LCCS-2724*) **P / F / NA**

(13) Are Required Inspection Items properly cleared by second A&P? (*C-12/UC-35 SOW Para 3.1, FAR Part 43.9, and DA Pam 738-751, Para 1-9*) **P / F / NA**

(14) Are there any 5-day (10 days for OCONUS) write-ups carried forward on DA Form 2408-13-1/2408-14-1? (*C-12/UC-35 SOW Appendix D, Para 2.7*) **P / F / NA**

#### **e. Designated Representative**

(1) Are the following personnel appointed on orders in writing? **P / F / NA**

- (a) Personnel authorized to perform as Maintenance Test Pilots and/or Functional Flight Check Pilots (*AR 95-1, Para 4-20*)
- (b) Pilots who conduct MOC's and specific operational checks permitted (*AR 95-1, par. 3-20b (3)*)

#### **f. Office Management**

(1) Does the on site SOP clearly define procedures for the following? **P / F / NA**

- (a) Foreign object damage (FOD) prevention (*AR 385-95 par 3-1/2 appendix D*)
- (b) Maintenance test flight/ functional check flights (*TM 1-1500-328-23*)
- (c) Recover of grounded aircraft away from home station
- (d) Hearing conservation with regard to military and contractors (*AR 385-95, par 3-3*)
- (e) All aspects of inclement weather to include disposition of aircraft and notification procedures, mooring, and placing in hangars (*TM 1-1500-250-23*)
- (f) Ground handling of aircraft specific for site location (*LCCS-2631 and Local Policy Letter*)

(2) Are electronic messages filed separately by SOF messages, AWD, ASAMS, MAMS, MIMS, and technical advisory messages? (*AR 25-400-2, FM 3-04.500 Para 7-46*) **P / F / NA**

(3) Are semi-annual checks of the shops library conducted? (*C-12 LCCS-2708*) **P / F / NA**

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**REFERENCES:**

AE 25-400-2	31 Dec 2003
AR 25-400-2	15 Nov 2004
AR 385-95	10 Dec 1999
AR 70-62	7 Jul 2000
AR 95-1	1 Mar 2006
C-12/UC-35 SOW	26 Sep 2005
C-12 LCCS	
DA Pam 738-751	15 Mar 1999
FM 3-04.500	23 August 2006
TB 43-0211	1 Dec 2004
TM 1-1500-250-23	24 Aug 1990, Chg 4
TM 1-1500-328-23	25 Nov 2002, Chg 1
TM 55-1500-342-23	29 Aug 1986, Chg 9